EXPERIMENT - 9

Object Oriented Programming Lab

Aim

Write a program to find the biggest of three number using Friend Function.

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Aim:

Write a program to find the biggest of three number using Friend Function.

Source Code:

```cpp
#include <iostream>
using namespace std;

class threeNumbers{
    private:
        int x, y, z;

    public:
        void input(){
            cout << "Enter three numbers: ";
            cin >> x >> y >> z;
        }

        friend void findLargest(threeNumbers t);
};

void findLargest(threeNumbers t){
    if (t.x > t.y && t.x > t.z) {
        cout << "Largest is:" << t.x;
    }
    else if (t.y > t.z) {
        cout << "Largest is:" << t.y;
    }
```

```cpp
    else {
        cout << "Largest is:" << t.z;
    }
}


int main(){
    threeNumbers t;
    t.input();
    findLargest(t);
    return 0;
}
```

Output:

```
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ largestFriend.cpp -o largestFriend } ; if ($?) { .\largestFriend }
Enter three numbers: 12 23 10
Largest is:23
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ largestFriend.cpp -o largestFriend } ; if ($?) { .\largestFriend }
Enter three numbers:
10
20
30
Largest is:30
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ largestFriend.cpp -o largestFriend } ; if ($?) { .\largestFriend }
Enter three numbers: 220 234 890
Largest is:890
PS D:\sem 4\cpp\oops>
```

```
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ largestFriend.cpp -o largestFriend } ; if ($?) { .\largestFriend }
Enter three numbers:
10
23
45
Largest is:45
```